

From: R6HarveySITL
Sent: Saturday, September 9, 2017 4:51 PM
To: Hurricane Harvey Principals
Cc: Eoc, Epahq
Subject: Hurricane Harvey 09092017 1700 Update
Attachments: 09092017 1700 Update FINAL.pdf



Hurricane Harvey 2017
9/9/2017 – 1700 CDT Update

EXECUTIVE SUMMARY

- EPA will host conference call with environmental justice advocates to update them in response activities on Tuesday.
- Office of Emergency Management Director Reggie Cheatham and Jodi Beringer, OMB Budget Manager will visit the Dallas Emergency Operations Center and ASPECT aircraft during scheduled maintenance in Addison. They will travel to Houston on Monday, September 11, 2017 to tour EPA's command post, Houston laboratory, and the San Jacinto Superfund site.
- EPA has recommended the State request that local jurisdictions approved for burning notify the public when burning is conducted. Today, EPA by letter concurred State of Texas use of its emergency hurricane debris management guidance.
- EPA continues to coordinate with the Texas Department of State Health Services regarding the need for residential well testing. Based on conversations at the JFO, a state request for a mission assignment for this work appears unlikely.
- Local interest (San Jacinto River Waste Pits Community Awareness Committee and Galveston Bay Foundation) regarding the status and repairs at the San Jacinto River Waste Pits Superfund site continues to be high. EPA will conduct confirmation sampling at the site on Monday.
- TCEQ, EPA and Harris County Pollution Control Agency will participate in a Hurricane Harvey Update for environmental advocacy organizations including Environmental Integrity Project, Sierra Club, Public Citizen, Environmental Defense Fund, and Air Alliance Houston early next week in Austin, Texas. The meeting is scheduled for Tuesday.
- Community Liaison deployments continue to assist impacted counties by providing information about environmental and health challenges associated with returning to flood damaged homes.

PUBLIC AFFAIRS

EPA issued a press release outlining impacted infrastructure status improvements such as number of drinking water facilities now operational and wastewater systems still non-functioning. Additional updates were given regarding Superfund sites, air quality monitoring and refinery status. Community Liaisons (CLs) began daily meetings to establish work assignments and define cross reporting activities. The CLs were trained on reporting requirements and extent of their responsibilities.

The EPA Liaison to the City of Houston Mayor's Office provided an update on EPA operations to Mayor Turner at the Emergency Operations Center Senior Leadership meeting Friday September 8, 2017. This was the final Senior Leadership meeting, as several city departments will be returning to normal hours and operations. The remaining agencies and departments are expected to conclude operations at the Emergency Operations Center on Sunday September 10, 2017. The EPA Liaison will demobilize on Monday September 11, 2017.

DEBRIS RECOVERY

The Dallas REOC has been staffed with a Debris Management Technical Expert who participates as a member of the FEMA Debris Task Force.

EPA currently has no mission assignment for debris recovery operations.

AIR MONITORING

EPA deployed four air quality technical specialists to Houston to conduct surveillance in the Manchester area to evaluate recent reports of volatile organic compounds (VOCs) and benzene detections. During the morning of September 9, the four specialists monitored downwind of the Lyondell-Basel and Pasadena refineries using handheld monitors and FLIR cameras. No detections above levels of concern were reported. This afternoon, they plan to monitor around the Magellan Terminal complex. These activities are being coordinated with TCEQ.

The TAGA repairs were completed today and the instrument is being brought back on line. Operations will resume in the morning.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/8/2017	Number of Targets Remaining Open	9/7/2017	Cumulative
Corpus Christi Branch	1	28	9	86
Houston Branch	41	234	0	27
Port Arthur/Beaumont Branch	13	48	1	7
NRC Reports	0	3	0	0
TOTALS	55	313	10	120
Note: Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.				

Daily/Cumulative Summary of Spills/Discharges				
Status	Opened		Closed	
	9/8/2017	Cumulative	9/7/2017	Cumulative
Corpus Christi Branch	15	449	24	140
Houston Branch	4	97	3	36
Port Arthur/Beaumont Branch	3	23	0	9
NRC Reports	3	99	4	36
TOTALS	25	668	31	221

FIELD RESPONSE ACTIVITIES

FIELD TEAMS ON 9/8/2017				
<u>Teams</u>	Alpha	Bravo	Charlie	TOTAL
Hazard Evaluation	3	24	8	35
Oil Discharge Assessment	1	6	0	7
ER/Orphan Container Recovery	2	1	1	4
Oil/Vessel Recovery	5	0	0	5
Staging Areas	1	1	0	2
Air Operations	0	1	0	1
Air Monitoring	0	3	0	3
Water Infrastructure Assessment – Drinking Water	0	10	1	11
Water Infrastructure Assessment – Wastewater	0	5	0	5
TOTAL	12	51	10	73

CORPUS CHRISTI BRANCH:

The Corpus Christi Branch was reduced to one land/water Hazard Evaluations team, one ER/Orphan Container Recovery team, but added an Oil Discharge Assessment (ODA) team. The team at the staging pad continue to receive, process, categorize, bulk, and dispose of hazardous materials/wastes. They are collecting samples from containers and conducting field screening. Two Oil Discharge Assessment (ODA) teams are monitoring salvage operations of Signet Enterprise at Aransas Pass and Bell Chase at San Jose as well as assessed pollution reports. On September 9, 2017 at 1200, the sunken towing vessel at Bell Chase was successfully lifted above water and placed on a barge with no observed pollution. Three Oil Discharge Recovery Teams (ODR) are coordinating and monitoring responsible-party-lead operations in Port Aransas, Island Moorings, San Jose Island, Bluff Landing and Tropic Isles. The fourth Oil Discharge Recovery Team are responding to reports of active pollution discharges, NRC Reports or CHEMTEL Reports as appropriate.

	CONTAINERS			Cylinders	TOTAL
	Drums [55 gals]	Small Containers [<55 gals]	Large Containers [>55 gals]		
9/8/2017	4	0	1	5	10
TOTAL TO DATE	57	31	8	17	113

HOUSTON BRANCH:

Two Air Monitoring groups are conducting air monitoring in southeast Houston near multiple chemical facilities.

ASPECT is conducting flights of special targets in Deer Park, Pasadena and Baytown and observed RMP facilities including Valero, Marathon, Galena Park, Shell Oil, and Chevron. Hazard Evaluation teams are conducting aerial monitoring on sections of the Colorado River, the Chocolate Bayou, the St. Bernard River, and the Old Brazos and Brazos Rivers. Teams are assessing receding waters and potential orphan containers/oil discharge targets for recovery operations. Additional teams are conducting Rapid Needs Assessment and Target Evaluation Assessments in Harris, Brazoria and Matagorda Counties.

Orphan Container Recovery teams are recovering land and water based targets at designated targets. All teams will respond to any reports of active pollution discharges, conduct patrols as tasked by the US Coast Guard and monitor recovery operations. Oil Discharge Assessment teams are conducting facility site visits to verify Responsible Party cleanup efforts. The team is also contacting facilities to follow up on cleanup efforts.

The Houston branch will begin collection and staging of recovered orphan containers at the Dorsett Street Collection Pad in Houston.

PORT ARTHUR/BEAUMONT BRANCH:

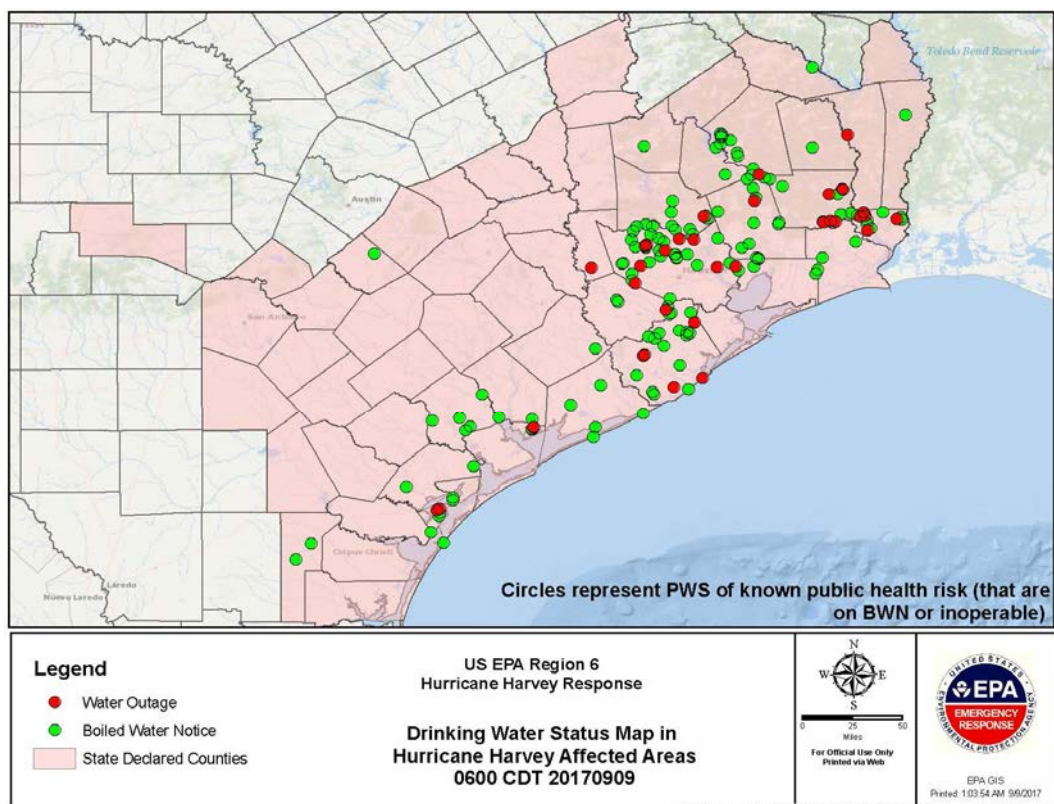
Four Hazard Evaluation teams are conducting inland and coastline hazard evaluations.

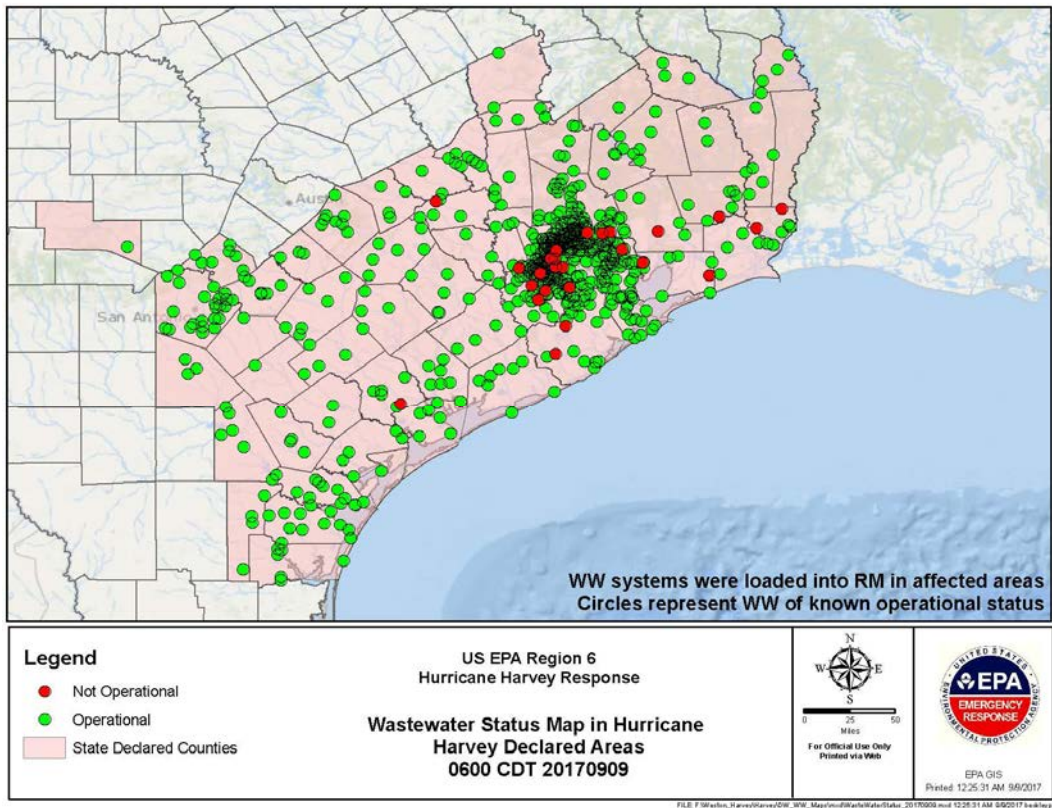
Hazard and waterways assigned by Texas General Land Office (TGLO) /Texas Commission on Environmental Quality (TCEQ), are being assessed throughout the Port Arthur Area of Responsibility (AOR). These assessments will be used to prioritize and assess assigned targets. Teams continue to conduct waterborne assessments of marinas if conditions permit and will assess the Beaumont Yacht Club to retrieve an abandoned vessel in Rose City. Teams continue to respond to any reports of active pollution, discharges, and conduct patrols as tasked by Coast Guard Division group supervisors and monitor recovery operations.

DRINKING WATER / WASTEWATER ASSESSMENTS

EPA is providing support to TCEQ for drinking water and wastewater system assessments. Ten EPA personnel are conducting drinking water assessments in the Houston Branch, while an additional five personnel are conducting wastewater assessments. One person is conducting drinking water assessments in the Port Arthur/Beaumont Branch.

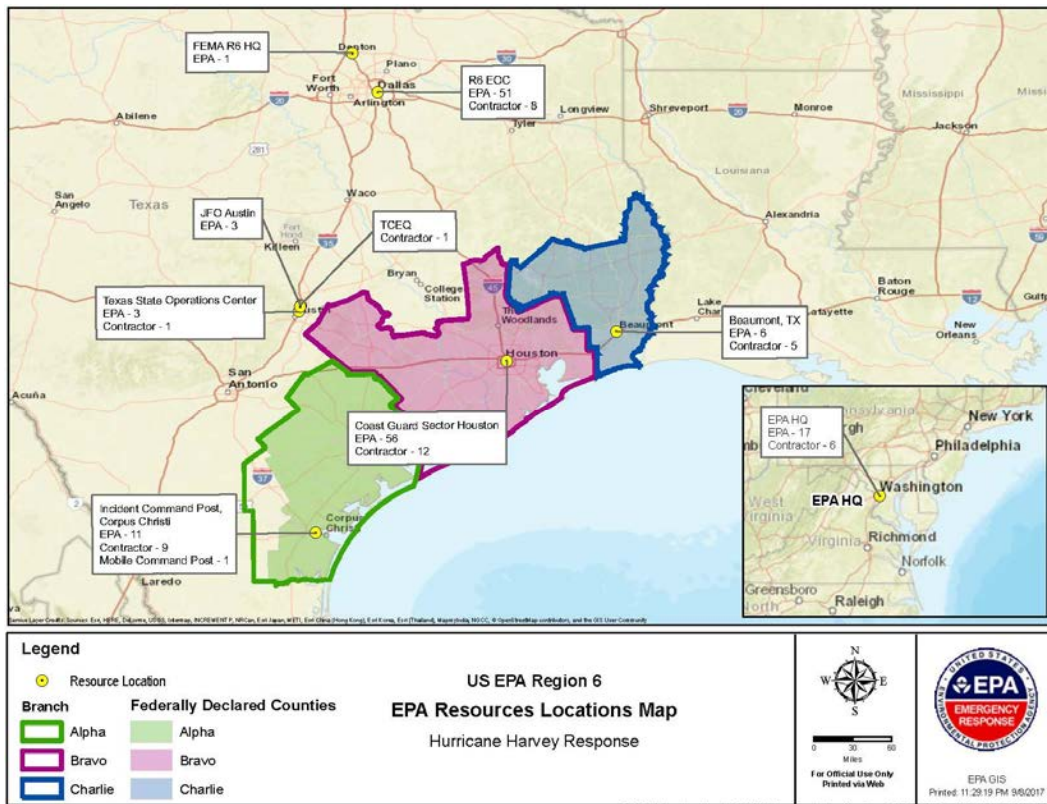
Drinking Water and Wastewater Assessments (September 8, 2017)		
Assessment Types	Daily Assessments	Total Assessments
On-Site DW Assessments	53	295
On-Site WW Assessments	26	193
Phone DW Assessments	331	4969
Phone WW Assessments	82	3017





EPA RESOURCES

Personnel	EPA Dallas, TX	FEMA Denton, TX	Texas JFO Austin, TX	Texas SOC Austin, TX	TCEQ Austin, TX	Houston, TX	Corpus Christi, TX	Beaumont, TX	HQ EOC, Wash, DC	TOTAL
EPA	51	1	3	3	0	56	12	6	17	149
START	8			1	1	12	9	5		36
ERRS						16	8	3		27
Other Contractors	1								6	7
TOTAL	60	1	3	4	1	84	29	14	23	198



FUNDING

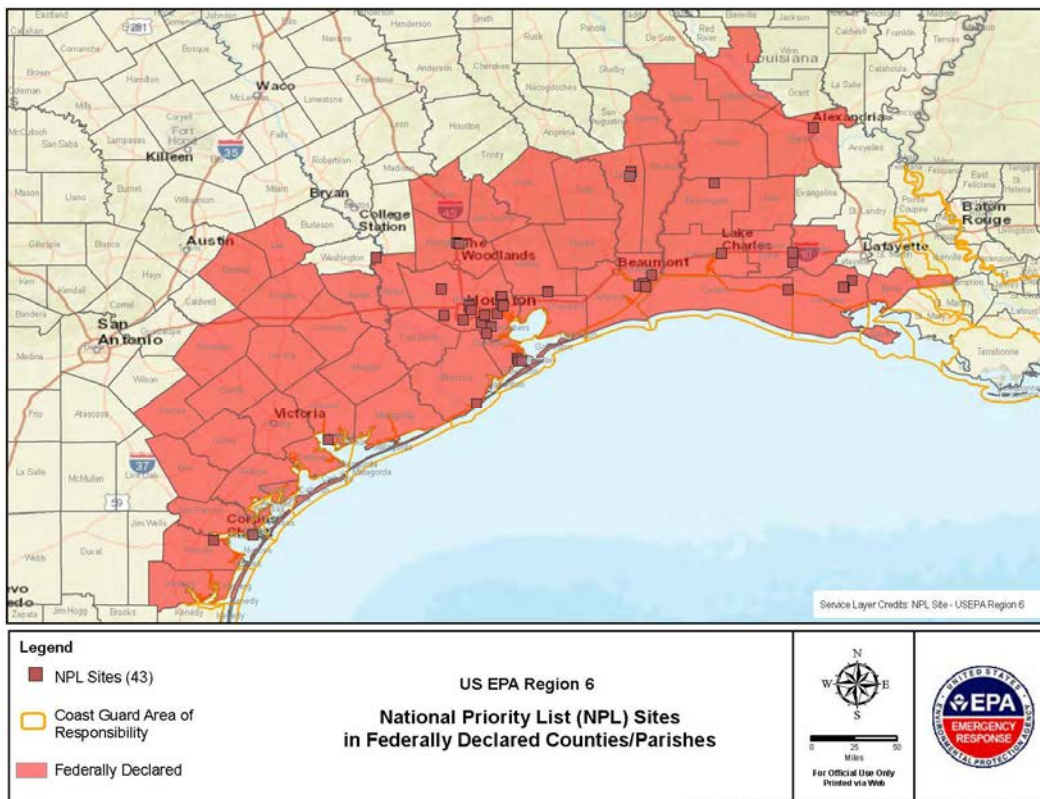
SitRep							
September 9, 2017, UPDATED 1300 hours							
	Funding Sources	Funding Ceiling	Funding Ceiling Less Indirect	Spent to Date	Remaining Balance	Daily Burn Rate	Days Remaining
	Non Mission Assignment	N/A		\$64,200.00	\$0.00		
	MA 4332DR-TX-EPA-01	\$275,000.00	\$242,741.00	\$27,664.00	\$215,077.00	\$2,848.00	75.52
	MA 4332DR-TX-EPA-03	\$8,592,000.00	\$7,584,077.00	\$5,705,091.61	\$1,878,985.39	\$310,392.01	6.05
	Totals:	\$8,867,000.00	\$7,826,818.00	\$5,796,955.61	\$2,094,062.39		
	** Indirect costs represent the money the Cincinnati Shared Service Center takes off the top to manage the Mission Assignments						
	NOTE: This report includes cumulative costs of the HQ EOC charging under MA#03. Awaiting clarification on the start date for charging the Mission Assignment, but at this time all estimated costs to date(9/9/17) are included						

REFINERIES/FUEL WAIVERS

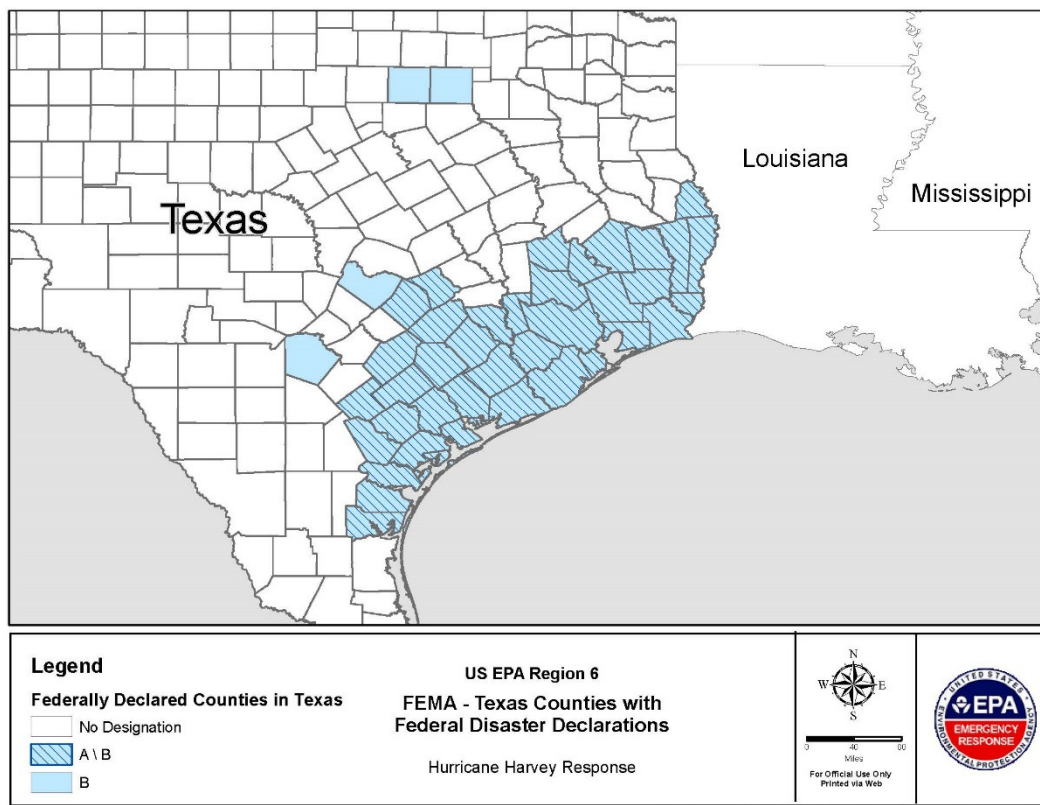
- EPA has extended the current multi-state fuel waiver to September 26, 2017.
- EPA has granted all open fuel waivers requested to date.
- EPA has issued a No Action Assurance for the Use of Vapor Recovery Systems in Texas Related to Hurricane Harvey (September 1, 2017). EPA will exercise its discretion not to pursue enforcement for violations of the vapor recovery requirements for fuel loading and unloading under 40 CFR Part 60 Subpart XX and Part 63 Subparts, R, Y, CC, BBBB, and 30 Texas Administrative Code sections 115.212, .214.
- The Internal Revenue Service expanded the red dye fuel waiver to cover the entire state of Texas, not just the 110 counties as before.

FEDERAL SUPERFUND NPL SITES

- EPA directed potentially responsible parties or independently started collecting samples at 34 Texas Superfund Sites to confirm no releases due to storm impacts. Two EPA field teams arrived on September 8, 2017, and will be joined by three additional field teams on September 11, 2017. Sampling has been completed at 11 sites. The sampling is part of a longer-term assessment that will be used to transition sites to their normal cleanup operations. Sampling will be complete by September 13, 2017, with preliminary unvalidated results expected by September 16, 2017.
- All 43 Federal Superfund NPL Sites in the affected area have been assessed. Of these, 41 sites have been cleared, and two sites (San Jacinto Pits and US Oil Recovery) require additional follow-up.
 - U.S. Oil Recovery Update: Since September 5, 2017 a total of 29 vacuum truckloads of water (approximately 145,000 gallon) have been removed and shipped off-site for disposal. The potentially responsible party continues operating pumping equipment and a storage tank to maintain and control overflow. Sampling of the lift station water continues. In addition, soil and ground water samples were collected on September 8, 2017. No sheen or odor was observed in the overflowing water.
 - San Jacinto Waste Pits Update: Cap repairs have been complete on the western part of Southern Berm while repairs continue on the remaining berm sections. Manual probing of capped areas, with oversight by EPA Dive Team, continues and is expected to be completed September 11, 2017. Three areas on the northwest part of the cap have been identified for further investigation. The Dive Team is planning to enter the water September 11, 2017. The Dive team will collect sediment samples from areas identified as having missing armor stone.
- On September 5, 2017, EPA initiated sampling at NPL sites in Texas. EPA will sample all 34 Texas NPL sites to confirm no releases. Sampling will be completed by September 11, 2017. Preliminary data is expected by September 14, 2017.



FEMA – TEXAS COUNTIES WITH DISASTER DECLARATIONS



9/9/2017 FIELD ACTIVITIES

PHOTOS



Houston Branch – EPA Water Infrastructure Assessment



Corpus Christi Branch – EPA On-Scene Coordinator (OSC) working with State Partner on Container Removal